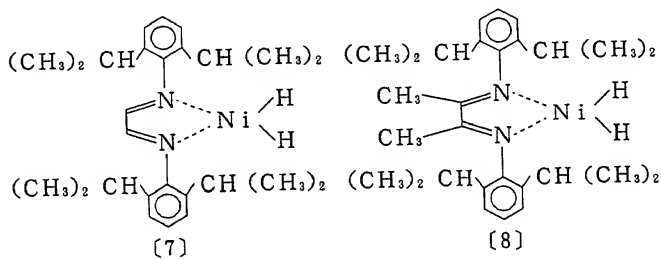
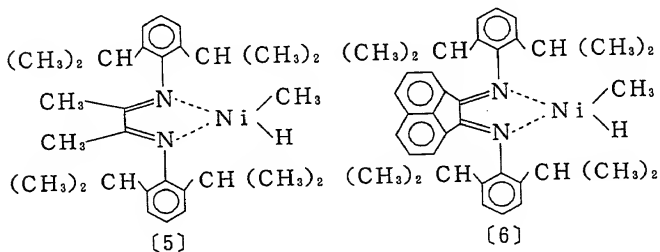
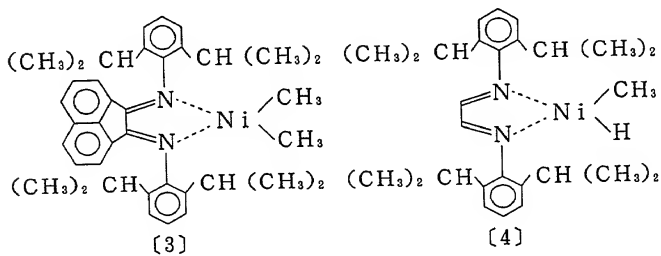
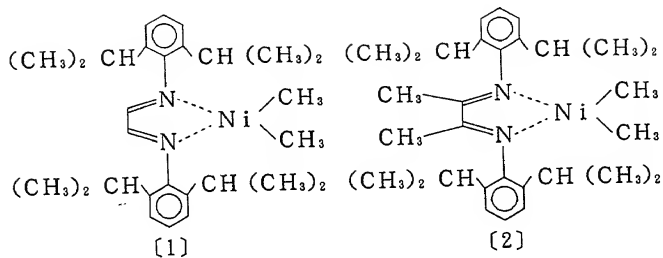
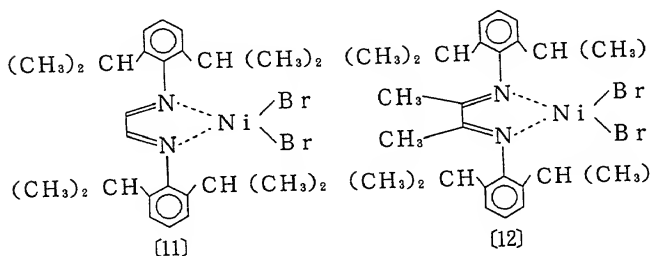
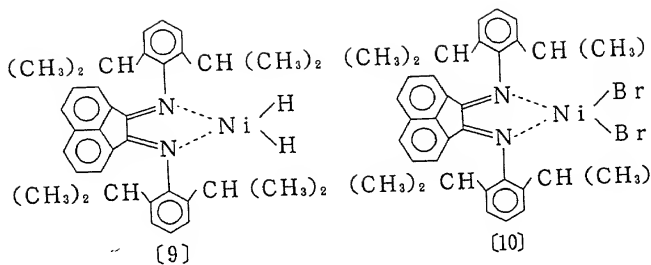


[5], [6], [7], [8], [9], [10], [11] and [12].





Specific examples of the transition metal compounds of formula (7) include dibromobistriphenylphosphine nickel, dichlorobistriphenylphosphine nickel, dibromodiacetonitrile nickel, dibromodibenzonitrile nickel, dibromo(1,2-bisdiphenylphosphinoethane) nickel, dibromo(1,3-bisdiphenylphosphinopropane) nickel, dibromo(1,1'-diphenylbisphosphinoferrocene) nickel, dimethylbisdiphenylphosphine nickel, dimethyl(1,2-bisdiphenylphosphinoethane) nickel, methyl(1,2-bisdiphenylphosphinoethano)nickel tetrafluoroborate, (2-diphenylphosphino-1-phenylethyleneoxy)phenylpyridine

nickel, dichlorobistriphenylphosphine palladium,
dichlorodibenzonitrile palladium, dichlorodiacetonitrile
palladium, dichloro(1,2-bisdiphenylphosphinoethane)
palladium, bistrisphenylphosphinopalladium
bistetrafluoroborate, bis(2,2'-bipyridino)methyliron
tetrafluoroborate etherate, etc.

Of those, preferred are cationic complexes such as
methyl(1,2-bisdiphenylphosphinoethano)nickel
tetrafluoroborate, bistrisphenylphosphinopalladium
bistetrafluoroborate, and bis(2,2'-bipyridino)methyliron
tetrafluoroborate etherate.

In the invention, one or more of the complex compounds
noted above may be used either singly or as combined.

Component (B):

(a) an oxygen-containing compound, and/or (b) a compound
capable of reacting with a transition metal compound to form
an ionic complex, preferably (a) an oxygen-containing
compound.

In the invention, both a catalyst for copolymerization
which comprises the component (B) as an essential component
and a catalyst for copolymerization which does not comprise
the component (B).

(a) Oxygen-containing compound:

Herein used are oxygen-containing compounds of a
general formula (8):